

STANDARDIZED TESTING AND REPORTING PROGRAM
California Standards Test

Component Scores to be Reported

Beginning with the 2002 STAR Program Administration, student reports will include scores for the components listed for each grade and content area. The content area scores will be reported as scaled scores and performance standards for each student. The component scores will be reported as the number possible and the number of questions the student answered correctly.

English-Language Arts

Grade 2 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 26 items |
| • Reading Comprehension | 17 items |
| • Literary Response and Analysis | 7 items |

Writing

- | | |
|---|----------|
| • Writing Strategies | 16 items |
| • Written and Oral Language Conventions | 9 items |

Grade 3 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 24 items |
| • Reading Comprehension | 17 items |
| • Literary Response and Analysis | 9 items |

Writing

- | | |
|---|----------|
| • Writing Strategies | 15 items |
| • Written and Oral Language Conventions | 10 items |

Grade 4 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 21 items |
| • Reading Comprehension | 18 items |
| • Literary Response and Analysis | 11 items |

Writing

- | | |
|---|-------------------|
| • Writing Strategies | 22 items |
| • Written and Oral Language Conventions | 18 items |
| • Writing Applications | 8 points (1 task) |

Grade 5 English – Language Arts Standards Test

Reading

- | | |
|----------------------------------|----------|
| • Word Analysis and Vocabulary | 17 items |
| • Reading Comprehension | 19 items |
| • Literary Response and Analysis | 14 items |

Writing

- | | |
|---|----------|
| • Writing Strategies | 21 items |
| • Written and Oral Language Conventions | 19 items |

Grade 6 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 16 items
- Reading Comprehension 20 items
- Literary Response and Analysis 14 items

Writing

- Writing Strategies 19 items
- Written and Oral Language Conventions 21 items

Grade 7 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 13 items
- Reading Comprehension 22 items
- Literary Response and Analysis 15 items

Writing

- Writing Strategies 19 items
- Written and Oral Language Conventions 21 items
- Writing Applications 8 points (1 task)

Grade 8 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 11 items
- Reading Comprehension 22 items
- Literary Response and Analysis 17 items

Writing

- Writing Strategies 19 items
- Written and Oral Language Conventions 21 items

Grade 9 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 10 items
- Reading Comprehension 21 items
- Literary Response and Analysis 19 items

Writing

- Writing Strategies 16 items
- Written and Oral Language Conventions 24 items

Grade 10 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 10 items
- Reading Comprehension 21 items
- Literary Response and Analysis 19 items

Writing

- Writing Strategies 16 items
- Written and Oral Language Conventions 24 items

Grade 11 English – Language Arts Standards Test

Reading

- Word Analysis and Vocabulary 9 items
- Reading Comprehension 21 items

- Literary Response and Analysis 20 items

Writing

- Writing Strategies 16 items
- Written and Oral Language Conventions 24 items

Mathematics

Grade 2 Mathematics Standards Test

- *Number Sense*
Place value, addition, and subtraction 15 items
Multiplication, division, and fractions 23 items
- *Algebra and Functions* 6 items
- *Measurement and Geometry* 14 items
- *Statistics, Data Analysis, and Probability* 7 items

Grade 3 Mathematics Standards Test

- *Number Sense*
Place value, fractions, and decimals 16 items
Addition, subtraction, multiplication, and division 16 items
- *Algebra and Functions* 12 items
- *Measurement and Geometry* 16 items
- *Statistics, Data Analysis, and Probability* 5 items

Grade 4 Mathematics Standards Test

- *Number Sense*
Decimals, fractions, and negative numbers 16 items

Operations and factoring	15 items
• <i>Algebra and Functions</i>	18 items
• <i>Measurement and Geometry</i>	12 items
• <i>Statistics, Data Analysis, and Probability</i>	4 items

Grade 5 Mathematics Standards Test

- *Number Sense*
Estimation, percents, and factoring 12 items

Operations with fractions and decimals 17 items
- *Algebra and Functions* 17 items
- *Measurement and Geometry* 15 items
- *Statistics, Data Analysis, and Probability* 4 items

Grade 6 Mathematics Standards Test

- *Number Sense*

Ratios, proportions, percentages, and negative fractions 15 items
Operations and problem solving with fractions 10 items
- *Algebra and Functions* 19 items
- *Measurement and Geometry* 10 items
- *Statistics, Data Analysis, and Probability* 11 items

Grade 7 Mathematics Standards Test

- *Number Sense*

Rational numbers 15 items

Exponents, powers, and roots 7 items
- *Algebra and Functions*

Quantitative relationships and evaluating expressions 10 items
Multistep problems, graphing, and functions 15 items
- *Measurement and Geometry* 13 items
- *Statistics, Data Analysis, and Probability* 5 items

Grade 8/9 General Mathematics Standards Test

- *Number Sense*
Rational numbers 14 items
Exponents, powers, and roots 10 items
- *Algebra and Functions*
Quantitative relationships and evaluating expressions 11 items
Multistep problems, graphing, and functions 10 items
- *Measurement and Geometry*
11 items
- *Statistics, Data Analysis, and Probability*
9 items

Algebra I Standards Test

- Number Properties, Operations, and Linear Equations 16 items
(Standards 1.0 – 5.0)
 - Graphing and Systems of Linear Equations 14 items
(Standards 6.0 – 9.0)
 - Quadratics and Polynomials 22 items
(Standards 10.0, 11.0, 14.0, and 19.0 – 23.0)
 - Functions and Rational Expressions 13 items
(Standards 12.0, 13.0, and 15.0 – 18.0)
- (Note: Standards 24.0 – 25.3 are embedded within the 65 items)*

Geometry Standards Test

- Logic and Geometric Proofs 23 items
(Standards 1.0 – 7.0)
- Volume and Area Formulas 11 items
(Standards 8.0 – 11.0)
- Angle Relationships, Constructions, and Lines 16 items
(Standards 12.0 – 17.0)
- Trigonometry 15 items
(Standards 18.0 – 22.0)

Algebra II Standards Test

- Polynomials and Rational Expressions
(Standards 1.0 – 4.0, and 7.0) 19 items
- Quadratics, Conics, and Complex Numbers
(Standards 5.0, 6.0, 8.0 – 10.0, 16.0 and 17.0) 17 items
- Exponents and Logarithms
(Standards 11.0 – 15.0) 15 items
- Series, Combinatorics, and Probability and Statistics
(Algebra II Standards 18.0 – 25.0 and Probability and Statistics 2.0 and 7.0) 14 items

High School Mathematics Standards Test

- *Algebra I* 18 items
- *Geometry* 19 items
- *Algebra II* 23 items
- *Probability and Statistics* 5 items

Integrated 1 Mathematics Standards Test

- *Algebra I*
 - Number Properties, Operations, and Linear Equations 15 items
 - Graphing and Systems of Linear Equations 7 items
 - Quadratics and Polynomials 15 items
 - Functions and Rational Expressions 8 items
- *Geometry* 20 items

Integrated 2 Mathematics Standards Test

- *Algebra I* 20 items
- *Geometry*
 - Logic and Geometric Proofs 20 items
 - Angle Relationships, Constructions, and Lines 11 items
 - Trigonometry 9 items
- *Algebra II/ Probability and Statistics* 5 items

Integrated 3 Mathematics Standards Test

- *Geometry* 5 items
- *Algebra II*
 - Polynomials and Rational Expressions 18 items
 - Quadratics, Conics, and Complex Numbers 21 items
 - Exponents and Logarithms 13 items
 - Series, Combinatorics, and Probability and Statistics 8 items

History-Social Science

Grade 9 History–Social Science Standards Test

- California: A Changing State; and U.S. History and Geography: Making a New Nation (Grade 4 and 5 standards) 15 items
- World History and Geography: Ancient Civilizations (Grade 6 Standards) 11 items
- World History and Geography: Medieval and Early Modern Times (Grade 7 Standards) 14 items
- United States History and Geography: Growth and Conflict (Grade 8 Standards) 20 items

Grade 10 History–Social Science Standards Test

- Principles and Events in the Development of Modern World Politics (Standards 1-2) 13 items
- The Industrial Revolution and the Era of Imperialism (Standards 3-4) 10 items
- World War I and its Effects (Standards 5-6) 14 items
- Totalitarianism and World War II (Standards 7-8) 13 items
- The Post-World War II World (Standards 9-10) 10 items

Grade 11 History–Social Science Standards Test

- The Founding of the Nation and the Role of Religion in U.S. Development (Standards 1&3) 9 items
- Significant Events through the Progressive Era and the Rise of the U.S. as a World Power (Standard 2) 14 items
- The 1920s, Great Depression, and World War II (Standards 5-7) 17 items
- Post-World War II America: Domestic Affairs, Foreign Policy and Civil Rights (Standards 8-11) 20 items

Science

Biology Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	6 items
Cell Biology <i>Cell Biology</i> (Standards: 1 a-h)	9 items
Genetics <i>Genetics</i> (Standards: 2 a-g, 3 a-b, 4 a-e, 5 a-c)	19 items
Ecology and Evolution <i>Ecology</i> (Standards: 6 a-f) <i>Evolution</i> (Standards: 7 a-d, 8 a-e)	16 items
Physiology <i>Physiology</i> (Standards: 9 a-e, 10 a-e)	10 items

Chemistry Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	6 items
Atomic and Molecular Structure <i>Atomic and Molecular Structure</i> (Standards: 1 a-e) <i>Nuclear Processes</i> (Standards: 11 a-e)	12 items
Chemical Bonds, Biochemistry <i>Chemical Bonds</i> (Standards: 2 a-e) <i>Organic and Biochemistry</i> (Standards: 10 a-c)	14 items

Kinetics, Thermodynamics	9 items
<i>Gases and Their Properties</i> (Standards: 4 a-f)	
<i>Chemical Thermodynamics</i> (Standards: 7 a-d)	
<i>Solutions</i> (Standards: 6 a-d)	
Chemical Reactions	8 items
<i>Acids and Bases</i> (Standards: 5 a-d)	
<i>Reaction Rates</i> (Standards: 8 a-c)	
<i>Chemical Equilibrium</i> (Standards: 9 a-b)	
Conservation of Matter and Stoichiometry	11 items
<i>Conservation of Matter and Stoichiometry</i> (Standards: 3 a-e)	
Earth Science Standards Test	
Investigation and Experimentation	9 items
<i>Investigation and Experimentation</i> (Standards 1 a-n)	
Astronomy and Cosmology	16 items
<i>Earth's Place in the Universe</i> (Standards: 1 a-f, 2 a-d)	
Solid Earth	12 items
<i>Dynamic Earth Processes</i> (Standards: 3 a-e)	
<i>California Geology</i> (Standards: 9 a-c)	
The Earth's Energy	23 items
<i>Energy In the Earth System</i> (Standards: 4 a-c, 5 a-e, 6 a-c)	
<i>Structure and Composition of the Atmosphere</i> (Standards: 8 a-c)	
<i>Biogeochemical Cycles</i> (Standards: 7 a-c)	

Physics Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	6 items
Motion and Forces <i>Motions and Forces</i> (Standards: 1 a-g)	12 items
Conservation of Energy and Momentum <i>Conservation of Energy and Momentum</i> (Standards: 2 a-g)	12 items
Heat and Thermodynamics <i>Heat and Thermodynamics</i> (Standards: 3 a-e)	9 items
Waves <i>Waves</i> (Standards: 4 a-f)	10 items
Electric and Magnetic Phenomena <i>Electric and Magnetic Phenomena</i> (Standards: 5 a-i)	11 items

Integrated/Coordinated Science (BCP) Standards Test

Investigation and Experimentation <i>Investigation and Experimentation</i> (Standards: 1 a-n)	4 items
Biology/Life Sciences Genetics <i>Genetics</i> (Standards: 2 a-g, 3 a-b, 4 a-e, 5 a-c)	9 items
Cells, Physiology, Evolution <i>Cell Biology</i> (Standards: 1 a-h) <i>Evolution</i> (Standard: 7 a-d, 8 a-e) <i>Physiology</i> (Standards: 9 a-e, 10 a-e)	8 items
Chemistry Structure, Bonds <i>Atomic and Molecular Structure</i> (Standards: 1 a-e)	7 items

Chemical Bonds
(Standards: 2 a-e)

Chemical Reactions, Organic Chemistry 9 items

Acids and Bases
(Standards: 5 a-d)

Solutions
(Standards: 6 a-d)

Reaction Rates
(Standards: 8 a-c)

Organic Chemistry and Biochemistry
(Standards: 10 a-c)

Physics

Conservation of Energy and Momentum 12 items

Conservation of Energy and Momentum
(Standards: 2 a-g)

Electric and Magnetic Phenomena

11 items

Waves
(Standards: 4 a-f)

Electric and Magnetic Phenomena
(Standards: 5 a-i)

Integrated/Coordinated Science (EBP) Standards Test

Investigation and Experimentation

5 items

Investigation and Experimentation
(Standards: 1 a-n)

Earth Science

The Earth's Energy

11 items

Energy In the Earth System
(Standards: 4 a-c, 5 a-e, 6 a-c)

Biogeochemical Cycles
(Standards: 7 a-c)

Structure and Composition of the Atmosphere
(Standards: 8 a-c)

Solid Earth

10 items

Dynamic Earth Processes
(Standards: 3 a-e)

California Geology
(Standards: 9 a-c)

Biology/Life Science

Cells, Physiology

12 items

Cell Biology
(Standards: 1 a-h)

Physiology
(Standards: 9 a-e, 10 a-e)

Evolution Ecology 8 items
Ecology
(Standards: 6 a-f)
Evolution
(Standards: 7 a-d, 8 a-e)

Physics
Heat and Thermodynamics 14 items
Heat and Thermodynamics
(Standards: 3 a-e)
Waves
(Standards: 4 a-f)

Integrated/Coordinated Science (EBC) Standards Test

Investigation and Experimentation 12 items
Investigation and Experimentation
(Standards: 1 a-n)

Earth Science
Cycles, Structure and Composition 12 items
Biogeochemical Cycles
(Standards: 7 a-c)
Structure and Composition of the Atmosphere
(Standards: 8 a-c)

Biology/Life Science
Genetics 10 items
Genetics
(Standards: 2 a-g, 3 a-b, 4 a-e, 5a-c)

Cells, Ecology, Evolution 7 items
Cell Biology
(Standards: 1a-h)
Ecology
(Standards: 6 a-f)
Evolution
(Standards: 7 a-d, 8 a-e)

Chemistry
Structure, Bonds, Processes 11 items
Atomic and Molecular Structure
(Standards: 1 a-e)
Chemical Bonds
(Standards: 2 a-e)
Nuclear Processes
(Standards: 11 a-e)

Reaction, Organic Chemistry, Gases	8 items
<i>Gases and Their Properties</i>	
(Standards: 4 a-f)	
<i>Acids and Bases</i>	
(Standards: 5 a-d)	
<i>Organic Chemistry and Biochemistry</i>	
(Standards: 10 a-c)	

Integrated/Coordinated Science (ECP) Standards Test

Investigation and Experimentation	5 items
<i>Investigation and Experimentation</i>	
(Standards: 1 a-n)	

Earth Science	
The Earth's Energy	19 items
<i>Earth's Place in the Universe</i>	
(Standards: 1 a-f, 2 a-d)	
<i>Dynamic Earth Processes</i>	
(Standards: 3 a-e)	
<i>Energy in the Earth's System</i>	
(Standards: 4 a-d, 5 a-e, 6 a-c)	
<i>California Geology</i>	
(Standards: 9 a-c)	

Chemistry	
Structure, Bonds, Thermodynamics, Equilibrium	8 items
<i>Atomic and Molecular Structure</i>	
(Standards: 1 a-e)	
<i>Chemical Bonds</i>	
(Standards: 2 a-e)	
<i>Chemical Thermodynamics</i>	
(Standards: 7 a-d)	
<i>Chemical Equilibrium</i>	
(Standards: 9 a-b)	

Conservation of Matter and Stoichiometry	11 items
<i>Conservation of Matter and Stoichiometry</i>	
(Standards: 3 a-e)	

Physics	
Motions and Forces	17 items
<i>Motions and Forces</i>	
(Standards: 1 a-g)	
<i>Waves</i>	
(Standards: 4 a-f)	

